IEEE Students A Year in Review

Serving and Preparing our Next Generation of Leaders
IEEE Students
Student Activities Committee: Mission and Vision

- To deliver a common, high quality IEEE Student member experience globally for lifelong professional success through IEEE membership.

- The IEEE Student Activities Committee will be recognized as the global platform to enable, develop and support students as the future of our profession.
Student Activities Committee (SAC)

- SAC is the IEEE committee responsible for student-related programs, competitions, award, funding, etc.

- These volunteers provide important viewpoints and information and represent the voice of IEEE Student and Graduate Student members worldwide.

- 2013 Committee:
  http://www.ieee.org/membership_services/membership/students/activities_committee.html
Getting involved with your Student Branch

- Committee Participation
- What makes your Branch stand out?
- Member get a Member [www.ieee.org/mgm](http://www.ieee.org/mgm)
- Social Media
What Type of Leader Are You?

Laissez-Faire - lacks direct supervision of employees and does not provide regular feedback.

Autocratic - allows managers to make decisions alone without the input of others. Managers possess total authority and impose their will on employees.

Participative - often called the democratic leadership style, participative leadership values the input of team members and peers, but the responsibility of making the final decision rests with the participative leader.

Transactional - receive certain tasks to perform and provide rewards or punishments to team members based on performance results. Managers and team members set predetermined goals together, and employees agree to follow the direction and leadership of the manager to accomplish those goals.

Transformational - depends on high levels of communication from management to meet goals. Leaders motivate and enhance productivity and efficiency through communication and high visibility.
The IEEE Student Branch is the operating organizational unit of IEEE constituted by a minimum of twelve (12) IEEE student members

- Goal: Engage students in the mission, benefits, and opportunities of the IEEE

- Sponsors activities and events technical, professional, and humanitarian aspirations
  - Guest speakers
  - Paper contests
  - Local public imperatives

- Fun, too!
  - Social events to bring together students with faculty
  - Pi Day
Student Development Through Volunteering

Through the Student Branch:

- Develop professional networks
- Enhance presentation skills in low risk environments
- Develop management skills, e.g., leading without authority
- Committee experience
  - Managing projects
  - Managing people
Getting Started…

- Connect with your local IEEE Section and Chapters (myIEEE)
- Engage with various IEEE Boards:
  - Educational Activities:
  - Technical Activities:
- Organize an IEEE Conference: http://www.ieee.org/conferences_events/conferences/organizers/organizers_index.html
- Eta Kappa Nu: www.hkn.org
Rewards of Volunteering...

- Experience
- Professional Growth & Career Advancement
- Creating lasting relationships
- Satisfaction
- Advancing technology
- Innovation
- Skill development
- Diversity opportunities
- It’s enjoyable!
Student membership is the beginning of your IEEE relationship – engage with your Section

Multiple vectors for benefits and opportunities: e.g., Student Branches, Section meetings, myIEEE / IEEE memberNet

IEEE provides professional development support and recognition throughout your career
Networking with your Section...

Connectivity via the IEEE Network

- IEEE Graduates of the Last Decade (GOLD)
- Local IEEE Section & Technical Chapters
- IEEE Societies

Beginning Career Benefits

- IEEE memberNet directory
- IEEE Job Site
- IEEE Mentoring Connection
- Many more… www.ieee.org/myieee
Student Activities

At a Glance

Mission: To deliver a common, high quality IEEE Student member experience globally, for lifelong, professional success through IEEE.

- 100,000+ student members globally, representing 27% of total IEEE membership
- Over 2,354 Student Branches globally
- Student member transition to digital publications in 2012 - 2013 (Spectrum and The Institute)
- Student membership delivered over 200,000 higher grade members since 2003

Trending From 2009

- IEEE student membership grew 41%
- Retention has decreased from 47% to 46%
- Global student branches have increased 29%, from 1,829 to 2,354
- IEEEXtreme team participation increased 250% between (409 teams in Xtreme 3.0 v. 2375 in IEEEXtreme 7.0 competitions)
- Student Professional Awareness Events have increased 60%

2013 Annual Dues

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Student Activities

Portfolio

Technical Programs & Opportunities
- Technical chapters
- IEEE Xtreme contest
- Robotics contests
- Paper contests
- Project showcases
- Technical speakers
- IEEE Potentials
- Student member discounts
- Student Tracks at Conferences
- Volunteer Development
- Regional Student Congresses

Public Programs & Opportunities
- Humanitarian initiatives
- President’s Change the World competition
- Future Cities/E4C
- Awards & Recognition

Career Programs & Opportunities
- Job fairs
- “Soft-skill’ seminars
- Professional Awareness Events S-PAC/S-PAVe
- Engineers Week
- Networking events
- Ethics competition
Competitions & Awards
IEEEXtreme is a global challenge in which teams of IEEE Student members compete in a 24-hour time span against each other to solve a set of programming problems.

**Grand Prize:**

All expense-paid trip to an IEEE conference of choice, anywhere around the world!
- Students who identify a real-world problem and apply engineering, computing, science and leadership skills to solve it!

- Students display their ingenuity and enthusiasm for engineering and technology recognized by prestigious IEEE members around the globe.

Prize - US $10,000 towards the project
Student Activities Awards

http://www.ieee.org/membership_services/membership/students/awards/student_branch_awards.html

- Student Enterprise Award
- Larry K. Wilson Regional Student Activities Award
- IEEE Regional Exemplary Student Branch Award
- IEEE Outstanding Branch Counselor and Advisor Award Recognition Program
- The Darrel Chong Student Activity Award

Nominations begin on or about 15 November and close 1 February annually.
Benefits of Membership
Global Benefits Finder

Uncover IEEE member benefits that are most relevant to you. Use the Global Benefits Finder below to select your current career phase and country, then select "Go". Your results page will render a list of key IEEE member benefits that can help you accelerate your career plans and help you grow as a technology professional.

Global Benefits Finder:

- Undergraduate Student
- by Career Phase
- All

Global Benefits Finder:

- Young Professional
- Academic/Researcher
- Practitioner
- Business/Leadership
- Unemployed
- Retired/Life Member
- Memberships and subscriptions
- Find upcoming conferences
- Learn more about individual benefits
IEEE.tv is an internet television network that produces and delivers special-interest programming about technology and engineering, for the benefit of IEEE's members and the public.

- **Goal:** Introduce video as a member benefit and public relations opportunity
  - “Made possible by the members of IEEE”
- **Add dimension to the ‘IEEE experience’**
- **IEEE.tv Member Basic is an exclusive benefit of IEEE membership**
- **Over 50 programs now available**
- **New IEEE.tv Student Channel**
IEEE Women in Engineering

- **RECOGNIZES** women's outstanding achievements in electrical and electronics engineering,
- **ORGANIZES** receptions at major technical conferences to enhance networking and to promote membership in WIE
- **ADVOCATES** women in leadership roles in IEEE governance
- **PROVIDES** assistance with the formation of new WIE Affinity Groups and supports ongoing activities
- **ADMINISTERS** the IEEE (STAR) Program- Pre-University Outreach
- **PROMOTES** member grade advancement
- **FACILITATES** the development of programs and activities that promote the entry into and retention of women in engineering programs
Where to Find EA on the Web

From IEEE’s main page

www.ieee.org

Click on the tab “Education & Careers”

OR

Use URL

www.ieee.org/education

EA’s programs can be located on this page
Graduating

Student Transition and Elevation Program

- Sponsored by IEEE Young Professionals allows students to network with other young professionals
- Linkage to another local entity other than Student Branch/Chapter

Student Graduation Kits

- Mailed to every graduating student
- Recommends benefits for a beginning professional – Job Site, Mentoring Connection, IEEE memberNet
- Overview of members-only discounts
- Incentives to update mailing address info
Professional Home After Graduation

Connectivity via the IEEE Network

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Beginning Career Benefits

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Your Career

Student  |  Member  |  Sr. Member  |  Fellow
Bringing it all together... myIEEE

Personalized, Customizable, Portable

- Library of myIEEE modules/gadgets
- Layout selection, 2 or 3 columns, with drag-and-drop gadget placement
- RSS tools to import feeds from IEEE or other content sources
- Choice of several technology-based themes for the interface

- IEEE memberNet
  - Only directory of all 400,000 IEEE members
  - Enables online, peer-to-peer networking with technical expertise worldwide
IEEE Young Professionals
Student Transition and Elevation Program (STEP) www.ieee.org/step

- STEP was created as a tool to help improve member retention as student members are elevated from student level to higher grade member.

- Engagement and outreach opportunity facilitates the transition from student member to young professional.

- Introduces the opportunities and benefits of IEEE membership during the onset of a career.
  - Meet local young professionals.
  - Introduction to the greater IEEE network through the GOLD Affinity Group in the local section.
  - Recognition for their accomplishments while being welcomed into the professional IEEE community.
  - Increased awareness of IEEE benefits for young professionals.
  - Career enhancement, networking, and professional development activities at the STEP event.
IEEE Headquarters Support
Direct staff support-level for student and Young Professionals activities has remained about the same for 10+ years, merged into one group in 2012.

Indirect MGA staff support include strategy and business planning, marketing, member research, finance, OU administration, country-office liaisons.

### Direct Staff Support

**General**
- Coordination for SAC, Potentials Editorial Board, Young Professionals Committees
- Student/Young Professionals program inquiries and escalation management
- Collaboration with UPP/HKN/EA/Social Innovation
- Web site maintenance and development, program and continual process improvement

**SAC**
- Student Branch development
- Awards program implementation with 188 nominations for 2013
- Microsoft Offer discount administration

**Young Professionals**
- Affinity group admin
- STEP program admin
- Webinar Series admin
- Mentoring Program coordination

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**Staff Team**

(Shared, SAC & Young Professionals)

- **Young Professionals Program Manager**
  - Lisa Delventhal

- **Potentials Editor (part-time)**
  - Craig Causer

- **Student Branch Specialist**
  - Shareyna Scott

- **Student Services Assistant**
  - Christine Eldridge

- **Student Competitions Coordinator (part-time)**
  - Parshva Bavishi

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We are MGA Student Services

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Victory Loves Preparation

We are committed to providing a WOW experience for our IEEE members and volunteers.

We are...

- Lisa Delventhal- Young Professionals Manager
- Shareyna Scott –Student Branch Development Specialist
- Christine Eldridge- Administrative Assistant Student Services
- Parshva Bavishi- Student Program Coordinator
Common Questions…

New to IEEE and not receiving publications? www.ieee.org/publicationsdelivery

Need a new membership card? www.ieee.org/contactcenter

Incorrect contact information? www.ieee.org/myieee

Looking for a conference travel grant? Search Conferences at IEEE
Global Student Facebook Page:
https://www.facebook.com/IEEEStudents?ref=hl

IEEE Students:
www.ieee.org/students

To connect with staff, please email student-services@ieee.org or gold@ieee.org